**Transmitter Code**

#include <SPI.h>

#include <LoRa.h>

int pot = A0;

void setup()

{

Serial.begin(9600);

pinMode(pot,INPUT);

while (!Serial);

Serial.println("LoRa Sender");

if (!LoRa.begin(433E6)) // or 915E6, the MHz speed of yout module

{

Serial.println("Starting LoRa failed!");

while (1);

}

}

void loop() {

int val = map(analogRead(pot),0,1024,0,255);

LoRa.beginPacket();

LoRa.print(val);

LoRa.endPacket();

delay(50);

}

===========================================================================

**Receiver Code**

#include <SPI.h>

#include <LoRa.h>

int LED = 3;

String inString = ""; // string to hold input

int val = 0;

void setup()

{

Serial.begin(9600);

pinMode(LED,OUTPUT);

while (!Serial);

Serial.println("LoRa Receiver");

if (!LoRa.begin(433E6)) // or 915E6

{

Serial.println("Starting LoRa failed!");

while (1);

}

}

void loop()

{ // try to parse packet

int packetSize = LoRa.parsePacket();

if (packetSize)

{

// read packet

while (LoRa.available())

{

int inChar = LoRa.read();

inString += (char)inChar;

val = inString.toInt();

}

inString = "";

LoRa.packetRssi();

}

Serial.println(val);

analogWrite(LED, val);

}

======================================================================================================================================================